

10/8 20, 196

File 347:JAPIO Nov 1976-2004/Dec(Updated 050405)

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File 350:Derwent WPIX 1963-2005/UD,UM &UP=200527

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Set	Items	Description
S1	203442	(PACKET? ? OR FRAME? ? OR MESSAGE? ? OR INFORMATION OR DATA OR CONTENT OR FILE? ? OR DOCUMENT? ? OR PAGE? ? OR WEBPAGE? ? OR MEDIA OR MULTIMEDIA OR MUSIC OR AUDIO OR VIDEO? ? OR FILM? ? OR MOVIE? ?) (5N) (TRANSLAT? OR TRANSFORM??? OR CONVERT??? OR CONVERSIO
S2	141212	(PACKET? ? OR FRAME? ? OR MESSAGE? ? OR INFORMATION OR DATA OR CONTENT OR FILE? ? OR DOCUMENT? ? OR PAGE? ? OR WEBPAGE? ? OR MEDIA OR MULTIMEDIA OR MUSIC OR AUDIO OR VIDEO? ? OR FILM? ? OR MOVIE? ?) (5N) (CHANG??? OR ALTER??? OR ALTERATION OR MOD-IF???? OR M
S3	89480	(SECOND OR 2ND OR DIFFERENT OR ANOTHER OR OTHER OR ALTERNA-TE OR ALTERNATIVE) (2W) (FORM OR FORMAT OR STYLE OR TYPE OR STR-UCTURE)
S4	13194	(INFORMATION OR DATA OR CONTENT OR MEDIA OR MULTIMEDIA OR -MUSIC OR AUDIO OR VIDEO? ? OR FILM? ? OR MOVIE? ?) (3N) (PROVID-ER? ? OR DISTRIBUTOR? ? OR MANUFACTURER? ? OR VENDOR? ? OR SU-PPLIER? ? OR MERCHANT? ?)
S5	13454	ROUTER? ?
S6	160437	SERVER? ?
S7	1198	S1:S2(15N)S3
S8	8	S7 AND S4
S9	102	S7 AND S6
S10	2	S9 AND S5
S11	1066	S1:S2(10N)S3
S12	97	S11 AND S6
S13	94	S12 NOT (S8 OR S10)
S14	48	S13 AND (NETWORK? ? OR LAN OR WAN OR COMMUNICAT? OR TELECO-MMUNICAT? OR DISTRIBUTED(1W) (MEDIA OR MEDIUM))
S15	6	S7 AND S5
S16	4	S15 NOT (S8 OR S10 OR S14)

7/5/1 (Item 1 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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016111787 \*\*Image available\*\*  
WPI Acc No: 2004-269663/200425  
XRPX Acc No: N04-213297

Product classification systems information transferring method, involves  
converting data from format compatible with database structure to  
intermediate format and routing data to conversion server

Patent Assignee: ATITANIA LTD (ATIT-N)

Inventor: PETERSON D L

Number of Countries: 100 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200423322	A1	20040318	WO 2002US28789	A	20020909	200425 B
AU 2002335729	A1	20040329	AU 2002335729	A	20020909	200459
			WO 2002US28789	A	20020909	

Priority Applications (No Type Date): WO 2002US28789 A 20020909

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200423322 A1 E 127 G06F-015/16

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU  
ZA ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB  
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

AU 2002335729 A1 G06F-015/16 Based on patent WO 200423322

Abstract (Basic): WO 200423322 A1

NOVELTY - The method involves extracting data from one system  
(114). The extracted data is routed from the system to one conversion  
server. The data is converted from a format compatible with one  
database structure to an intermediate format. The data is routed to  
another conversion server. The data from the intermediate format  
is converted to a format compatible with another database  
structure and is stored in another system (140).

USE - Used for transferring product classification systems  
information in a company.

ADVANTAGE - The method allows for replacement of lost data and  
transmission of data between dissimilar systems while minimizing impact  
on a source host system where the data is an integral part of data  
packets transmitted over networks.

DESCRIPTION OF DRAWING(S) - The drawing shows an overall  
diagrammatic view of a system.

Router (108)

Systems (114, 140)

Private network (124)

Transfer medium (158)

Cache (180)

pp; 127 DwgNo 1/65

Title Terms: PRODUCT; CLASSIFY; SYSTEM; INFORMATION; TRANSFER; METHOD;  
CONVERT; DATA; FORMAT; COMPATIBLE; DATABASE; STRUCTURE; INTERMEDIATE;  
FORMAT; ROUTE; DATA; CONVERT; SERVE

Derwent Class: T01; W01

International Patent Class (Main): G06F-015/16

File Segment: EPI

7/5/2 (Item 2 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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013376938      \*\*Image available\*\*  
WPI Acc No: 2000-548876/200050  
XRPX Acc No: N00-406081

Channel-transparent multimedia broadcast message transmitter for use in telephone network, has data and telephone network service which receives message and delivers to respective receiver

Patent Assignee: INT THINKLINK CORP (ITTH-N); O'NEAL S C (ONEA-I)

Inventor: O'NEAL S C

Number of Countries: 020    Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200045574	A1	20000803	WO 2000US1700	A	20000121	200050 B
US 20010048735	A1	20011206	US 99240436	A	19990129	200203
			US 2001874457	A	20010605	
JP 2002536886	W	20021029	JP 2000596716	A	20000121	200274
			WO 2000US1700	A	20000121	

Priority Applications (No Type Date): US 99240436 A 19990129; US 2001874457 A 20010605

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200045574	A1	E	40	H04M-001/658	
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Designated States (National): JP

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

US 20010048735	A1			H04M-011/00	Cont of application US 99240436
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JP 2002536886	W		45	H04L-012/18	Based on patent WO 200045574
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Abstract (Basic): WO 200045574 A1

NOVELTY - A message router (402) translates the messages into different format. A data network server (404) coupled to router, transmits the messages and delivers one message to computer. A telephone network server (408) coupled to server (404) delivers other received message from server (404) to receiver over telephone network.

DETAILED DESCRIPTION - The receiver may be facsimile, telephone, pager etc. The messages are delivered in text format. INDEPENDENT CLAIMS are also included for the following:

(a) message broadcasting system;

(b) broadcast message transmitting method

USE - In telephone network for transmitting message to receiver e.g. computer, pager, facsimile, telephone etc.

ADVANTAGE - The message originator contacts recipient to ensure that urgent messages have high probability to be received by recipient. The telephone network can be messaged from device on the internet.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of Channel-transparent multimedia broadcast message transmitter.

Message router (402)

Data network server (404)

Telephone network server (408)

pp; 40 DwgNo 4/6

Title Terms: CHANNEL; TRANSPARENT; BROADCAST; MESSAGE; TRANSMIT; TELEPHONE; NETWORK; DATA; TELEPHONE; NETWORK; SERVICE; RECEIVE; MESSAGE; DELIVER; RESPECTIVE; RECEIVE

Derwent Class: W01

International Patent Class (Main): H04L-012/18; H04M-001/658; H04M-011/00

International Patent Class (Additional): H04L-012/66; H04M-001/64

File Segment: EPI

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## The TCP/IP Model: Data Encapsulation Process

- Data encapsulation is the process by which data is passed down layers of a network model, which each layer modifying or adding its information to the data
- Order of data encapsulation:  
Data > Segment > Packet > Frame > Bits

The primary reason for looking at any network model is to better understand how systems communicate. In real-life, network communication requires that data be encapsulated by the sender, transmitted over the network, and then de-encapsulated by the receiver. This is best illustrated by looking at what happens when one system running TCP/IP sends data to another. The list below outlines 5 simplified steps in a typical TCP/IP data transfer over an Ethernet network. Note that each layer considers whatever has been passed down to it from an upper layer as “data”. It doesn’t concern itself with what was added by the upper layers.

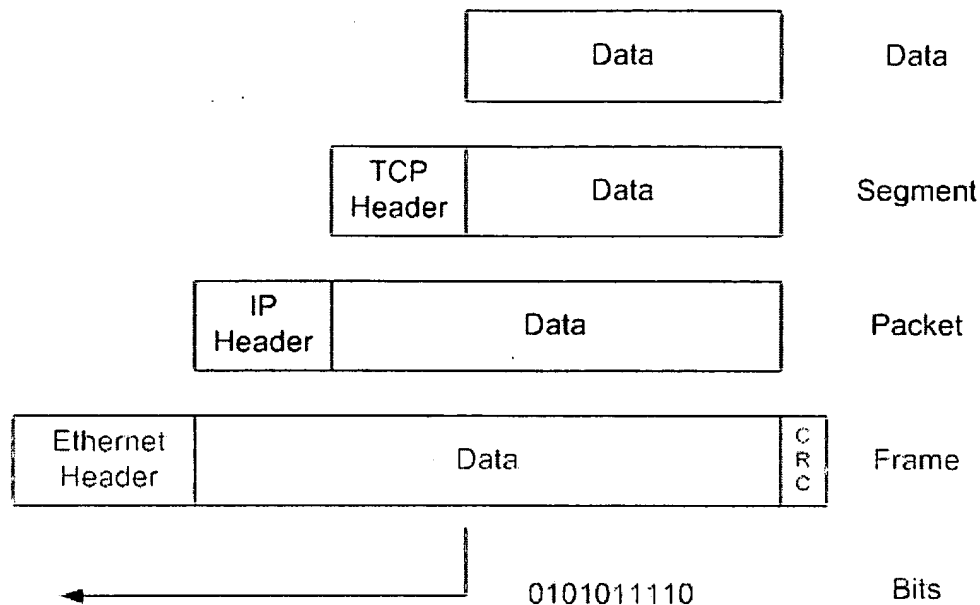
**Step 1.** Data is created by an application such as an FTP client program. Assume that a file transfer is being initiated with a local FTP server.

**Step 2.** The data is passed to the Host-to-host (Transport) layer, where it is encapsulated to include source and destination port numbers. These uniquely identify the applications that the data should be passed between. For example, if this data were being sent to an FTP server, the destination port would be TCP 21. The data is now considered to be a segment.

**Step 3.** The data is passed to the Internet (Network) layer, where it is again encapsulated to include information such as the source and destination IP addresses. The data is now considered to be a packet.

**Step 4.** The data is passed down to the Network Interface (Data Link) layer, where it is encapsulated for Ethernet to include source and destination MAC addresses, as well as the an error-checking mechanism known as a cyclic redundancy check (CRC). The data is now considered to be a frame.

**Step 5.** The data is converted to a series of bits, and transmitted across the network.



Note that upon reaching the destination host, the entire process happens in reverse, with each layer de-encapsulating the data by stripping away the information that was added at each layer. Eventually, the required data is passed to the FTP server as intended by the FTP client application. Consider the frame should below that was captured using Ethereal, a network protocol analyzer. It shows information from the Data Link layer (Ethernet II), the Network layer (Internet Protocol), the Transport layer (Transmission Control Protocol), and the Application layer (File Transfer Protocol).

```
Ethernet II
Internet Protocol, Src Addr: 192.168.0.1 (192.168.0.1), Dst Addr:
192.168.0.135 (192.168.0.135)
Transmission Control Protocol, Src Port: 4653 (4653), Dst Port: ftp
(21), Seq: 2739356837, Ack: 204742999
File Transfer Protocol (FTP)
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14/5/4 (Item 4 from file: 347)  
DIALOG(R)File 347:JAPIO  
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07536224 \*\*Image available\*\*

SERVER FOR COMMUNICATION , COMMUNICATION METHOD BETWEEN PORTABLE  
TERMINALS USING SEVER FOR COMMUNICATION AND COMPUTER PROGRAM FOR SERVER  
FOR COMMUNICATION

PUB. NO.: 2003-030059 [JP 2003030059 A]  
PUBLISHED: January 31, 2003 (20030131)  
INVENTOR(s): UENO TOSHIHIRO  
APPLICANT(s): NEC CORP  
APPL. NO.: 2001-218446 [JP 2001218446]  
FILED: July 18, 2001 (20010718)  
INTL CLASS: G06F-013/00; G06F-012/00; G06F-015/00; H04L-012/28;  
H04L-012/66

#### ABSTRACT

PROBLEM TO BE SOLVED: To provide a server for communication suitable  
for communication of portable terminals such as a PDA(personal digital  
assistants).

SOLUTION: In the server for communication provided for communication  
between the portable terminals, it is characterized by providing a server  
1 for communication with a format converter 2 to convert a first  
data format received from a first portable terminal 5 into a second  
data format different from the first one and transmitting data the  
format of which is converted to a second portable terminal 9.

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14/5/5 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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016937864 \*\*Image available\*\*

WPI Acc No: 2005-262174/200527

XRPX Acc No: N05-215331

Digital media distribution device e.g. internet protocol addressable  
device, has encoder and decoder connected to computer network e.g.  
ethernet, and transcoder coupled to decoder, for encoding data from first  
format to second format

Patent Assignee: WARNER BROS ENTERTAINMENT INC (WARQ )

Inventor: KLAMER P; LONG K; RAMAMURTHY A

Number of Countries: 108 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200520565	A1	20050303	WO 2004US25956	A	20040810	200527 B

Priority Applications (No Type Date): US 2003494396 P 20030811

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 200520565	A1	E	17	H04N-005/00
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ  
CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID  
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ  
NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ  
UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR  
GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL  
SZ TR TZ UG ZM ZW

Abstract (Basic): WO 200520565 A1

NOVELTY - The distribution device has an encoder and a decoder that are connected through the computer network e.g. ethernet. A transcoder coupled to the decoder, converts the encoded data from first format to second format.

USE - E.g. internet protocol (IP) addressable device such as video tape recorder (VTR) for data manipulation and storage.

ADVANTAGE - The digital media distribution (DMD) device provides data during failure of the network due to the back-up servers in the computer network. The DMD device can be operated either as stand-alone device or network-accessible device.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the digital media distribution device.

interface lines (18,20,22,32)

RS-232 line (28)

pp; 17 DwgNo 1/1

Title Terms: DIGITAL; MEDIUM; DISTRIBUTE; DEVICE; PROTOCOL; ADDRESS; DEVICE ; ENCODE; DECODE; CONNECT; COMPUTER; NETWORK ; TRANSCODER; COUPLE;

DECODE; ENCODE; DATA; FIRST; FORMAT; SECOND; FORMAT

Derwent Class: T01; W04

International Patent Class (Main): H04N-005/00

International Patent Class (Additional): H04N-005/222

File Segment: EPI

14/5/7 (Item 3 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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016765333 \*\*Image available\*\*

WPI Acc No: 2005-089609/200510

XRPX Acc No: N05-078312

Message format conversion method for use in communication network, involves converting message from particular format to another different format, based upon content type and content length of previous format

Patent Assignee: ABRAHAM B (ABRA-I); GALICIA J D (GALI-I)

Inventor: ABRAHAM B; GALICIA J D

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040266411	A1	20041230	US 2003609949	A	20030630	200510 B

Priority Applications (No Type Date): US 2003609949 A 20030630

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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US 20040266411	A1	12	H04M-007/00	
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Abstract (Basic): US 20040266411 A1

NOVELTY - An incoming message in a particular format is received and is converted to another format different from the previous format, based upon the content type and content length of the previous format.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) message generation method used in communication terminal; and
- (2) message format conversion method in messaging server.

USE - For converting message format used in communication network such as global system for mobile communications / generalized packet radio service (GSM/GPRS), enhanced data for global evolution (EDGE) network, universal mobile telephone system (UMTS).

ADVANTAGE - The message conversion occurs without loss of content.

DESCRIPTION OF DRAWING(S) - The figure shows the architecture of the multimedia messaging service.

pp; 12 DwgNo 2/7

Title Terms: MESSAGE; FORMAT; CONVERT; METHOD; COMMUNICATE ; NETWORK ;

CONVERT; MESSAGE; FORMAT; FORMAT; BASED; CONTENT; TYPE; CONTENT; LENGTH;  
FORMAT  
Derwent Class: T01; W01  
International Patent Class (Main): H04M-007/00  
File Segment: EPI

14/5/9 (Item 5 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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016696556 \*\*Image available\*\*  
WPI Acc No: 2005-020835/200502  
XRPX Acc No: N05-017697

Data service providing method in wide local area network , involves  
converting format of received data message into another format  
and delivering reformatted message to wide local area network

Patent Assignee: INTERDIGITAL TECHNOLOGY CORP (INTE-N)

Inventor: CHITRAPU P R; KIERNAN B G; PURKAYASTHA D; SHAHEEN K M

Number of Countries: 108 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200499919	A2	20041118	WO 2004US13458	A	20040430	200502 B
US 20050002407	A1	20050106	US 2003466911	P	20030501	200504
			US 2003469670	P	20030512	
			US 2003478075	P	20030612	
			US 2003491054	P	20030730	
			US 2003498171	P	20030827	
			US 2004837124	A	20040430	

Priority Applications (No Type Date): US 2003498171 P 20030827; US  
2003466911 P 20030501; US 2003469670 P 20030512; US 2003478075 P 20030612  
; US 2003491054 P 20030730; US 2004837124 A 20040430

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200499919 A2 118 G06F-000/00

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ  
CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID  
IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ  
NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ  
UA UG US UZ VC VN YU ZA ZM ZW

Designated States (Regional): AT BE BG BW CH CY CZ DE DK EA EE ES FI FR  
GB GH GM GR HU IE IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL  
SZ TR TZ UG ZM ZW

US 20050002407 A1 H04L-012/66 Provisional application US 2003466911

Provisional application US 2003469670  
Provisional application US 2003478075  
Provisional application US 2003491054  
Provisional application US 2003498171

Abstract (Basic): WO 200499919 A2

NOVELTY - The incoming data message is received from the data  
service in particular format. The format of received data message  
is converted into another format. The reformatted message is  
then delivered to the wide local area network (WLAN).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the  
following:

- (1) method for providing notification of circuit switched (CS)  
calls;
- (2) method for providing notification of general packet radio  
system (GPRS);
- (3) third generation based services method for providing  
notification of internet multimedia subsystem (IMS) based services;
- (4) method employing wireless access gateway/packet data gateway



(WAG/PDG) for providing short message service (SMS);

(5) method employing user equipment (UE) for processing SMS message;

(6) method for managing a messaging capability method for managing communications ; and

(7) apparatus for managing messaging capability apparatus for managing communications .

USE - For delivering packet switched, circuit switched, internet multimedia subsystem (IMS) paging, short message service (SMS) over wide local area network (WLAN) that are coupled to third generation partnership project devices for universal mobile telecommunication system (UMTS), code division multiple access 2000 (CDMA2000) SMS support over WLAN to provide personal text and voice messaging such as IMS and push to-talk (PTT) technology without support of network .

ADVANTAGE - Avoids dependency on base station or network server . Enables point-to-multipoint communication within a small closed user group. Enables user to join or leave dynamically. Eliminates central control by way of base station. Provides connectable and discoverable services.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of wireless local area network (WLAN) third generation partnership project (3GPP) interworking architecture.

pp; 118 DwgNo 7/41

Title Terms: DATA; SERVICE; METHOD; WIDE; LOCAL; AREA; NETWORK ; CONVERT; FORMAT; RECEIVE; DATA; MESSAGE; FORMAT; DELIVER; MESSAGE; WIDE; LOCAL; AREA; NETWORK

Derwent Class: T01; W01

International Patent Class (Main): G06F-000/00; H04L-012/66

International Patent Class (Additional): H04L-012/28

File Segment: EPI

14/5/12 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016169766 \*\*Image available\*\*

WPI Acc No: 2004-327653/200430

XRPX Acc No: N04-261373

Conversion apparatus for use with personal computer, has converting section to convert files having different formats of data of two types placed in main portion of format

Patent Assignee: SONY CORP (SONY ); ANDO H (ANDO-I); FURUKAWA T (FURU-I); HIROSE M (HIRO-I); KATSUO S (KATS-I); KAWAMURA T (KAWA-I); TANAKA H (TANA-I); TERAOKA M (TERA-I)

Inventor: ANDO H; FURUKAWA T; HIROSE M; KATSUO S; KAWAMURA T; TANAKA H; TERAOKA M

Number of Countries: 033 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040057704	A1	20040325	US 2003665090	A	20030918	200430 B
JP 2004112425	A	20040408	JP 2002273080	A	20020919	200430
EP 1427217	A1	20040609	EP 2003255670	A	20030910	200438

Priority Applications (No Type Date): JP 2002273080 A 20020919

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20040057704 A1 38 H04N-005/781

JP 2004112425 A 42 H04N-005/91

EP 1427217 A1 E H04N-007/52

Designated States (Regional): AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

Abstract (Basic): US 20040057704 A1

NOVELTY - A format conversion section (12) converts one of the

files having a format which includes two types of data placed in a multiplexed state in the main portion of the format. The converting section converts another file of a different format, which includes two types of data collectively placed in the main portion into standard format.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) file format conversion method;
- (2) file format conversion program; and
- (3) file format data structure.

USE - For personal computer (PC) and broadcasting apparatus for business use, such as audio visual server and video tape recorder (VTR) equipped with communication interface.

ADVANTAGE - Enables to edit or handle readily a file including video data, audio data or some other data and to maintain the compatibility. Enables a standard apparatus to transmit and receive a file of the independent format and write and read out the file onto/from a recording medium.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram illustrating the configuration of audio-visual network system.

- network (4)  
AV apparatus (5,6)  
optical disk (7)  
disk driving section (11)  
format conversion section (12)  
communication interface (13)

pp; 38 DwgNo 1/23

Title Terms: CONVERT; APPARATUS; PERSON; COMPUTER; CONVERT; SECTION;  
CONVERT; FILE; FORMAT; DATA; TWO; TYPE; PLACE; MAIN; PORTION; FORMAT

Derwent Class: T01; W04

International Patent Class (Main): H04N-005/781; H04N-005/91; H04N-007/52

International Patent Class (Additional): H04N-005/92; H04N-007/24

File Segment: EPI

14/5/13 (Item 9 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015770350 \*\*Image available\*\*

WPI Acc No: 2003-832552/200377

XRPX Acc No: N03-665507

Message communicating method for wireless application protocol environment, involves requesting gateway server for resource located on origin server, converting request format, and sending request to origin server by servlet

Patent Assignee: EEROLA S (EERO-I); NOKIA CORP (OYNO )

Inventor: EEROLA S

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030203732	A1	20031030	US 99458125	A	19991209	200377 B
US 6678518	B2	20040113	US 99458125	A	19991209	200405

Priority Applications (No Type Date): US 99458125 A 19991209

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

US 20030203732 A1 5 H04Q-007/20

US 6678518 B2 H04Q-007/20

Abstract (Basic): US 20030203732 A1

NOVELTY - The method involves sending, from a mobile station (12), a request in a format to a gateway server (10) for a resource located on an origin server (18). The resource is converted into another format and sent from the gateway to the origin server by a servlet, initiated in the gateway server. A response indicating content type

of the resource is generated and converted to a different content type using another servlet.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for an apparatus for dynamically converting data between a mobile station in a wireless communication network and an origin server in a wide area network.

USE - Used in wireless application protocol environment for communicating messages and information between a mobile station e.g. a wireless terminal, a wireless phone, and a palm size personal computer in a wireless communication network and an origin server in a wide area network.

ADVANTAGE - The method converts the content type of the resource by using the servlet, initiated by the gateway server and thus performs content conversions without necessitating a requirement for new hardware implementations.

DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of a gateway server connected to a wireless communication network and a server of a wide area network.

Gateway server (10)  
Mobile station (12)  
Base station (14)  
Switching control point (16)  
Origin server (18)  
pp; 5 DwgNo 1/2

Title Terms: MESSAGE; COMMUNICATE; METHOD; WIRELESS; APPLY; PROTOCOL; ENVIRONMENT; REQUEST; GATEWAY; SERVE; RESOURCE; LOCATE; ORIGIN; SERVE; CONVERT; REQUEST; FORMAT; SEND; REQUEST; ORIGIN; SERVE

Derwent Class: W01; W02

International Patent Class (Main): H04Q-007/20

File Segment: EPI

14/5/16 (Item 12 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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015704014 \*\*Image available\*\*

WPI Acc No: 2003-766207/200372

XRFX Acc No: N03-613706

Data format translating method for electronic data interchange document, involves parsing each segment of document to identify segment identifier, control loop information, associated data and defined segment name, for translation

Patent Assignee: MOZHDEHI B (MOZH-I)

Inventor: MOZHDEHI B

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030158805	A1	20030821	US 200272803	A	20020208	200372 B

Priority Applications (No Type Date): US 200272803 A 20020208

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030158805	A1	13	G06F-017/60	

Abstract (Basic): US 20030158805 A1

NOVELTY - A segment of an electronic data interchange (EDI) document is read, using a configuration information about the structure of inbound EDI document. The read segment is parsed for identifying each segment identifier, control loop information, associated data and defined name of each segment, and linking values. The identified data are translated from a data format into another data format, using simple query language.

USE - For translating an electronic data interchange (EDI) document from one data format to another data format, in local

area network , wide area network and intranet.

ADVANTAGE - Efficiently translates the EDI documents into a flat files, relational database and XML files, to facilitate interpretation and generation of EDI document.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the computer based operational system.

server (10,21)

network (12)

user (16,18)

pp; 13 DwgNo 1/3

Title Terms: DATA; FORMAT; TRANSLATION; METHOD; ELECTRONIC; DATA; INTERCHANGE; DOCUMENT; PARSE; SEGMENT; DOCUMENT; IDENTIFY; SEGMENT; IDENTIFY; CONTROL; LOOP; INFORMATION; ASSOCIATE; DATA; DEFINE; SEGMENT; NAME; TRANSLATION

Derwent Class: T01

International Patent Class (Main): G06F-017/60

File Segment: EPI

14/5/17 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015695680 \*\*Image available\*\*

WPI Acc No: 2003-757873/200372

XRPX Acc No: N03-607297

Data transmission involves sending/receiving in several formats, converting data in one format into another format , receiver determining format in which data are represented in receiver

Patent Assignee: SIEMENS AG (SIEI )

Inventor: KELLER R; KUNSTMANN N

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 10208094	A1	20030918	DE 1008094	A	20020226	200372 B

Priority Applications (No Type Date): DE 1008094 A 20020226

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
DE 10208094	A1	4	H04L-012/16	

Abstract (Basic): DE 10208094 A1

NOVELTY - The method involves sending and receiving data in several formats and converting data in one format into data in another format . The format in which the data are represented in a receiver is determined by the receiver. The receiver signals the currently desired format(s) of a central unit in the communications network into which transmitted data of another format will be converted .

USE - For data transmission in a communications network .

ADVANTAGE - More customer-friendly than conventional methods.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic representation of a process of selecting an output channel or communications format

communications unit (1)

central unit, server (3)

specification (5)

message (7)

second communications unit (9)

pp; 4 DwgNo 1/1

Title Terms: DATA; TRANSMISSION; SEND; RECEIVE; FORMAT; CONVERT; DATA; ONE; FORMAT; FORMAT; RECEIVE; DETERMINE; FORMAT; DATA; REPRESENT; RECEIVE

Derwent Class: W01

International Patent Class (Main): H04L-012/16

International Patent Class (Additional): H04M-003/42

File Segment: EPI

14/5/20 (Item 16 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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015430470 \*\*Image available\*\*

WPI Acc No: 2003-492612/200346

Related WPI Acc No: 2002-049368; 2002-256392; 2002-557712; 2003-392235

XRPX Acc No: N03-391306

Transforming switch for computer network system, transforms message in one format received from server or process node to another format, and switches transformed messages to remote processing node

Patent Assignee: ABJANIC J B (ABJA-I); MARLATT D A (MARL-I)

Inventor: ABJANIC J B; MARLATT D A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030069975	A1	20030410	US 2000549041	A	20000413	200346 B
			US 2000562104	A	20000501	
			US 2000566800	A	20000508	
			US 2000741807	A	20001222	

Priority Applications (No Type Date): US 2000741807 A 20001222; US

2000549041 A 20000413; US 2000562104 A 20000501; US 2000566800 A 20000508

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030069975	A1	23	G06F-015/16	CIP of application US 2000549041 CIP of application US 2000562104 CIP of application US 2000566800

Abstract (Basic): US 20030069975 A1

NOVELTY - A transformer transforms a message received from the processing nodes (110,120,132) in hypertext markup language (HTML) format to extensible markup language (XML) format. A switch (165) switches the transformed messages to a remote server (150) selected by a message director (145) coupled to the transformer and switch, based upon application e.g. business transaction information in the message.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) a message transformation method; and
- (2) computer media storing instruction for message transformation.

USE - For network system coupled between network and processing nodes or server for transforming messages in extensible markup language (XML) format to hypertext markup language (HTML) or vice versa, electronic data interchange (EDI) format to XML or vice versa, American standard code for information interchange (ASCII) flat file to XML or vice versa, ASCII flat file to EDI or vice versa, or transforming data formats message in XML-based languages like BizTalk, commerce extensible markup language (CXML), wireless markup language (WML), electronic business extensible markup language (eBXML) to other formats or vice versa. For transfer of messages comprising e.g. electronic order from a server having application program e.g. business program, for managing inventory, purchase orders, business transactions, stock quotes, stock trade, to a remote server e.g. supplier server. For transfer of messages e.g. requesting web pages from computer e.g. personal computer, laptop comprising web browser, to a remote server. For transfer of message between wireless device e.g. personal digital assistant (PDA) or wireless or cellular telephone and servers or processing nodes.

ADVANTAGE - By locating the director coupled between network and the servers, the traffic management functionality is off-loaded from an application server. This relieves the processing nodes or servers

from additional processing overhead. Allows different types or level of **server** to be provided for messages based on content of application.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the transforming switch.

**server** (110)  
computer (120)  
wireless device (132)  
Internet (130)  
message director (145)  
remote **servers** (150,160,170)  
switch (165)  
pp; 23 DwgNo 7/10

Title Terms: TRANSFORM; SWITCH; COMPUTER; **NETWORK** ; SYSTEM; TRANSFORM;  
MESSAGE; ONE; FORMAT; RECEIVE; SERVE; PROCESS; NODE; FORMAT; SWITCH;  
TRANSFORM; MESSAGE; REMOTE; PROCESS; NODE

Derwent Class: T01; W01

International Patent Class (Main): G06F-015/16

File Segment: EPI

14/5/21 (Item 17 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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015150398 \*\*Image available\*\*

WPI Acc No: 2003-210925/200320

XRPX Acc No: N03-168074

**Data transformation system for use in heterogeneous computer system has peer transformation servers with data converters and graphs of available transformation between input and output data formats**

Patent Assignee: CHAAVI INC (CHAA-N); COLLINS M (COLL-I); KONDA S L (KOND-I); NAG P K (NAGP-I)

Inventor: COLLINS M; KONDA S L; NAG P K

Number of Countries: 100 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200314953	A1	20030220	WO 2002US23136	A	20020719	200320 B
US 20030041095	A1	20030227	US 2001928256	A	20010810	200325
AU 2002319611	A1	20030224	AU 2002319611	A	20020719	200460

Priority Applications (No Type Date): US 2001928256 A 20010810

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 200314953 A1 E 112 G06F-015/16

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN  
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ  
OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA  
ZM ZW

Designated States (Regional): AT BE BG CH CY CZ DE DK EA EE ES FI FR GB  
GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

US 20030041095 A1 G06F-015/16

AU 2002319611 A1 G06F-015/16 Based on patent WO 200314953

Abstract (Basic): WO 200314953 A1

NOVELTY - The system includes at least one client to initiate a request for transformation of data in a first format to data in a **second data format** . Several peer transformation **servers** each include **data converters** and a representation of available **data** transformations between input data formats associated with at least some of the transformation **servers** and output data formats. The representation includes unidirectional edges, each of the edges extending from one of input and output data formats to another of the input and output data formats. A **communication network** provides

communications among the transformation servers and the client.  
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) a method for transforming data in a heterogeneous computer;
- (b) a method for representing data transformation capabilities;
- (c) a data transformation server .

USE - For transforming data from one format to another.

ADVANTAGE - Easy and cost effective transformation of documents.

DESCRIPTION OF DRAWING(S) - The figure shows a hardware-software hierarchy including Electronic Transformation Servers (ETS).  
pp; 112 DwgNo 1/25

Title Terms: DATA; TRANSFORM; SYSTEM; HETEROGENEOUS; COMPUTER; SYSTEM; PEER ; TRANSFORM; SERVE; DATA; CONVERTER; GRAPH; AVAILABLE; TRANSFORM; INPUT; OUTPUT; DATA; FORMAT

Derwent Class: T01

International Patent Class (Main): G06F-015/16

International Patent Class (Additional): G06F-015/00; G06F-015/173; G06F-017/00

File Segment: EPI

14/5/22 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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015133709 \*\*Image available\*\*

WPI Acc No: 2003-194234/200319

XRPX Acc No: N03-154536

Communication server converts format of data received from one personal digital assistant into another format of data suitable for reception by another personal digital assistant

Patent Assignee: NEC CORP (NIDE )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2003030059	A	20030131	JP 2001218446	A	20010718	200319 B

Priority Applications (No Type Date): JP 2001218446 A 20010718

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2003030059	A		5 G06F-013/00	

Abstract (Basic): JP 2003030059 A

NOVELTY - The communication server (1) has a data format converter (2) that converts the format of data received from one person digital assistant (PDA) (5) into format suitable for reception by another personal digital assistant (9).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) communication establishment; and
- (2) computer program for communication servers .

USE - Communication server .

ADVANTAGE - The server provides communication between different model PDAs by using format converter, at less cost while satisfying the user.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the communication server . (Drawing includes non-English language text).

- communication server (1)
- data format converter (2)
- PDAs (5,9)

pp; 5 DwgNo 1/3

Title Terms: COMMUNICATE ; SERVE; CONVERT; FORMAT; DATA; RECEIVE; ONE; PERSON; DIGITAL; ASSIST; FORMAT; DATA; SUIT; RECEPTION; PERSON; DIGITAL; ASSIST

Derwent Class: T01; W01  
International Patent Class (Main): G06F-013/00  
International Patent Class (Additional): G06F-012/00; G06F-015/00;  
H04L-012/28; H04L-012/66  
File Segment: EPI

14/5/26 (Item 22 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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014806019 \*\*Image available\*\*  
WPI Acc No: 2002-626725/200267  
XRPX Acc No: N02-495650

Online message transmitting method involves converting data received in one form from communication device, into another form and transmitting converted data to another communication device

Patent Assignee: MAYNARD C L (MAYN-I); MUNOZ J H (MUNO-I); WILLIAMS C L (WILL-I); WILLIAMS D A (WILL-I)

Inventor: MAYNARD C L; MUNOZ J H; WILLIAMS C L; WILLIAMS D A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020085534	A1	20020704	US 2000750197	A	20001228	200267 B

Priority Applications (No Type Date): US 2000750197 A 20001228

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20020085534	A1	12	H04L-012/66	

Abstract (Basic): US 20020085534 A1

NOVELTY - The text data transmitted from a communication device such as computer (92) connected to Internet (94), is converted into voice data and transmitted to another communication device such as telephone (106), by a server (62). The server converts the voice data transmitted from the telephone, into text data and transmits it to the computer.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for message transmitting apparatus.

USE - For transmitting a message over Internet between computer, telephone, pager, cellular telephone and personal digital assistance (PDA).

ADVANTAGE - Enhances the standard e-mail services, Internet services or telephone services. Provides services to the user without increasing cost, through a service supported by advertising. Enables communication across Internet between different kinds of connection devices so as to merge synchronic and asynchronic communications.

DESCRIPTION OF DRAWING(S) - The figure shows specific implementation of the message transmitting method.

Server (62)  
Computer (92)  
Internet (94)  
Telephone (106)  
pp; 12 DwgNo 4/6

Title Terms: MESSAGE; TRANSMIT; METHOD; CONVERT; DATA; RECEIVE; ONE; FORM; COMMUNICATE ; DEVICE; FORM; TRANSMIT; CONVERT; DATA; COMMUNICATE ; DEVICE

Derwent Class: T01; W01; W05  
International Patent Class (Main): H04L-012/66  
File Segment: EPI

14/5/29 (Item 25 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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014586547      \*\*Image available\*\*

WPI Acc No: 2002-407251/200244

XRPX Acc No: N02-319823

**Content distribution control method in network , involves converting and transmitting content produced in original format with content identification data**

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU ); MATSUSHITA DENKI SANGYO KK (MATU )

Inventor: SENOH T

Number of Countries: 030    Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1187048	A2	20020313	EP 2001120455	A	20010828	200244 B
US 20020078178	A1	20020620	US 2001938664	A	20010827	200244
CN 1340783	A	20020320	CN 2001120373	A	20010829	200246
JP 2002169785	A	20020614	JP 2001252778	A	20010823	200254
KR 2002018011	A	20020307	KR 200151642	A	20010827	200261

Priority Applications (No Type Date): JP 2000258651 A 20000829

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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EP 1187048	A2	E 17	G06F-017/60	
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

US 20020078178	A1	G06F-015/16
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CN 1340783	A	G06F-017/60
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JP 2002169785	A	12	G06F-015/00
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KR 2002018011	A	G06F-017/00
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Abstract (Basic): EP 1187048 A2

NOVELTY - A content **server** (3) transmits the content produced in one format, with content identification data. A relay **server** (2) receives and separates the content into identification data and original **data** . The separated **data** is **converted** into **another format** and added with the separated identification **data** . The **reformatted content** is sent to user terminal (1).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) A system for controlling content distribution over a **network** ;

(b) A computer executable program for controlling content distribution;

(c) Distributed content relay method

USE - For controlling distribution of digital multimedia content over a **communication network** such as Internet.

ADVANTAGE - Illegal copying of **content** is prevented by **converting data** in original format into **data in another format** and adding the **converted data** with the **content identification data** , hence copyright and rights of the content owner are protected.

DESCRIPTION OF DRAWING(S) - The figure shows the diagram depicting the configuration of a content distribution system.

User terminal (1)

Relay **server** (2)

Content **server** (3)

pp; 17 DwgNo 1/7

Title Terms: CONTENT; DISTRIBUTE; CONTROL; METHOD; **NETWORK** ; CONVERT;

TRANSMIT; CONTENT; PRODUCE; ORIGINAL; FORMAT; CONTENT; IDENTIFY; DATA

Derwent Class: T01

International Patent Class (Main): G06F-015/00; G06F-015/16; G06F-017/00; G06F-017/60

International Patent Class (Additional): G06F-013/00; H04N-007/08;

H04N-007/081; H04N-007/173

File Segment: EPI

14/5/30 (Item 26 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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014514432 \*\*Image available\*\*

WPI Acc No: 2002-335135/200237

XRPX Acc No: N02-263495

Data communication system in enterprise, has server to convert format of data received from transmission side user communication unit into designated format for transmission to receiving side user communication units

Patent Assignee: X NET KK (XNET-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2002073463	A	20020312	JP 2000257747	A	20000828	200237 B

Priority Applications (No Type Date): JP 2000257747 A 20000828

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2002073463	A	8	G06F-013/00	

Abstract (Basic): JP 2002073463 A

NOVELTY - A server (11) receives the data transmitted from a transmission side user communication unit (12). A converter converts the format of received data into a designated format. This format converted data is transmitted to the receiving side user communication units (13,14).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) Data communication method;

(b) Recorded medium storing data communication program

USE - For communication of data between enterprise and users through communication network.

ADVANTAGE - Enables an user to perform transmission and reception of data without being conscious of other parties data format. Labor required for format conversion is reduced.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the data communication system. (Drawing includes non-English language text).

Server (11)

Transmission side user communication unit (12)

Receiving side user communication unit (13,14)

pp; 8 DwgNo 1/4

Title Terms: DATA; COMMUNICATE; SYSTEM; SERVE; CONVERT; FORMAT; DATA; RECEIVE; TRANSMISSION; SIDE; USER; COMMUNICATE; UNIT; DESIGNATED; FORMAT; TRANSMISSION; RECEIVE; SIDE; USER; COMMUNICATE; UNIT

Derwent Class: T01; W01

International Patent Class (Main): G06F-013/00

International Patent Class (Additional): H04L-012/54; H04L-012/58; H04L-029/06

File Segment: EPI

14/5/35 (Item 31 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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013882831 \*\*Image available\*\*

WPI Acc No: 2001-367044/200138

XRPX Acc No: N01-267838

Communication method between information service device and client device, involves translating common format of message into format of client device before message transmission to client device

Patent Assignee: NETMORF INC (NETM-N)  
Inventor: KAMADOLLI S; TIPNIS R  
Number of Countries: 094 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200103011	A2	20010111	WO 2000US18443	A	20000630	200138 B
AU 200059149	A	20010122	AU 200059149	A	20000630	200138

Priority Applications (No Type Date): US 2000185602 P 20000228; US 99141993  
P 19990701

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 200103011	A2	E	25	G06F-017/30	
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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA  
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP  
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT  
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200059149	A			G06F-017/30	Based on patent WO 200103011
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Abstract (Basic): WO 200103011 A2

NOVELTY - An information service device (110) is identified from the accessed specification of a requested information. The information service device is accessed to retrieve the requested information which is formatted based on a common format. The common format of a message is translated to format of a client device (120), after which translated message with the requested information is sent to the client device.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) a software stored in a computer-readable recording medium;
- (b) and a **communication** system.

USE - Applicable to **communication** between information service device e.g. internet-based **server** computer, and client device e.g. cellular telephone, personal digital assistant (PDA), pager.

ADVANTAGE - Enables supporting different types of client device with **different message format**, without specific configuration of **translators** for each combination of **information** service device and each client device. Enables translating common of message in information service device into format of client device without performing significant processing to match message content with capabilities of client device, hence simplifying design of format translators. Enables simple addition of new information service device and client device.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of multiple information services coupled to multiple client platforms through media **server**.

Information service device (110)

Client device (120)

pp; 25 DwgNo 2/5

Title Terms: **COMMUNICATE**; METHOD; INFORMATION; SERVICE; DEVICE; CLIENT; DEVICE; TRANSLATION; COMMON; FORMAT; MESSAGE; FORMAT; CLIENT; DEVICE; MESSAGE; TRANSMISSION; CLIENT; DEVICE

Derwent Class: T01; W01

International Patent Class (Main): G06F-017/30

File Segment: EPI

14/5/39 (Item 35 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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013108031 \*\*Image available\*\*  
WPI Acc No: 2000-279902/200024

XRPX Acc No: N00-211245

Video data communication unit for video network , has transducer to convert format of data received through interface to different format suitable for video applications

Patent Assignee: CANON KK (CANO )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 2000078557	A	20000314	JP 98245947	A	1998083	200024 B

Priority Applications (No Type Date): JP 98245947 A 19980831

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
JP 2000078557	A	14	H04N-007/173	

Abstract (Basic): JP 2000078557 A

NOVELTY - The format of data received through interface (106) is judged, initially. If format is different from the real time usage format, then a video data format transducer (105) converts it to a format suitable for video applications (102-104).

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) video data communication procedure;

(b) recording medium for storing data communication program

USE - For video network system.

ADVANTAGE - Reduces hardware scale by utilizing small real time video transducer. Since data can be delivered by broadcast using suitable format conversion, the load of server is reduced remarkably.

DESCRIPTION OF DRAWING(S) - The figure shows components of video data receiver.

Video applications (102-104)

Video data format transducer (105)

Interface (106)

pp; 14 DwgNo 1/16

Title Terms: VIDEO; DATA; COMMUNICATE ; UNIT; VIDEO; NETWORK ; TRANSDUCER ; CONVERT; FORMAT; DATA; RECEIVE; THROUGH; INTERFACE; FORMAT; SUIT; VIDEO ; APPLY

Derwent Class: W02

International Patent Class (Main): H04N-007/173

International Patent Class (Additional): H04N-007/24

File Segment: EPI

14/5/40 (Item 36 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012541243 \*\*Image available\*\*

WPI Acc No: 1999-347349/199929

XRPX Acc No: N99-259719

Region used in distributed telecomms network with region server with transducer converting input data in 1st format to output data in 2nd format , and communicating with other region servers via backbone

Patent Assignee: NORTHERN TELECOM LTD (NELE ) ; NORTEL NETWORKS CORP (NELE ) ; NORTEL NETWORKS LTD (NELE )

Inventor: ARMSTRONG S M; CRADDOCK A J P; KHUWAJA R A; TRUDEAU J J D;

PARSONS E W; MACFARLANE I A

Number of Countries: 022 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9925071	A2	19990520	WO 98CA1047	A	19981109	199929 B
CA 2220578	A1	19990510	CA 2220578	A	19971110	199944
CA 2220579	A1	19990510	CA 2220579	A	19971110	199944
CA 2220580	A1	19990510	CA 2220580	A	19971110	199944

CA 2220641	A1	19990510	CA 2220641	A	19971110	199944
EP 970429	A2	20000112	EP 98954080	A	19981109	200008
			WO 98CA1047	A	19981109	
CN 1250534	A	20000412	CN 98803208	A	19981109	200035
JP 2001510667	W	20010731	WO 98CA1047	A	19981109	200148
			JP 99525085	A	19981109	
US 6310889	B1	20011030	US 9841130	A	19980312	200172
US 6351771	B1	20020226	US 9841128	A	19980312	200220

Priority Applications (No Type Date): US 9841131 A 19980312; CA 2220578 A 19971110; CA 2220579 A 19971110; CA 2220580 A 19971110; CA 2220641 A 19971110; US 9841128 A 19980312; US 9841129 A 19980312; US 9841130 A 19980312

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9925071	A2	E	37	H04B-000/00	
Designated States (National): CA CN JP					
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE					
CA 2220578	A1	E		H04L-012/66	
CA 2220579	A1	E		H04L-012/66	
CA 2220580	A1	E		H04L-012/12	
CA 2220641	A1	E		H04L-012/16	
EP 970429	A2	E		G06F-017/22	Based on patent WO 9925071
Designated States (Regional): DE FR GB IT					
CN 1250534	A			G06F-017/22	
JP 2001510667	W		57	H04L-012/66	Based on patent WO 9925071
US 6310889	B1			H04J-003/16	
US 6351771	B1			G06F-015/16	

Abstract (Basic): WO 9925071 A2

NOVELTY - The system has entries in a record ordered to determine the order in which like components and or services are used and this order can be set according to the degree of use of the region servers (24) on which the service or components are installed. It is possible to include service and components at other regions accessible via a comms backbone in the record of service and components in a region.

USE - For providing a distributed service **network** providing **communications** and other services to fixed, mobile and nomadic users in a transparent manner to external service providers and users.

ADVANTAGE - Provides a novel **network**, **network** region and method of providing **telecommunication** services which obviates or mitigates disadvantages of existing **networks**.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic representation of the distributed service **network**.  
the region **servers** (24)  
pp; 37 DwgNo 1/3

Title Terms: REGION; DISTRIBUTE; **TELECOMMUNICATION**; **NETWORK**; REGION; SERVE; TRANSDUCER; CONVERT; INPUT; DATA; FORMAT; OUTPUT; DATA; FORMAT; **COMMUNICATE**; REGION; SERVE; BACKBONE

Derwent Class: P85; T01; W01; W02; W05

International Patent Class (Main): G06F-015/16; G06F-017/22; H04B-000/00; H04J-003/16; H04L-012/12; H04L-012/16; H04L-012/66

International Patent Class (Additional): G06F-013/00; G09C-001/00; H04L-012/24; H04L-012/54; H04L-012/56; H04L-012/58; H04L-029/06; H04M-003/00; H04M-011/00

File Segment: EPI; EngPI

14/5/46 (Item 42 from file: 350)  
DIALOG(R) File 350:Derwent WPIX  
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011031784 \*\*Image available\*\*  
WPI Acc No: 1997-009708/199701

XRPX Acc No: N97-008904

Video data communication system - includes first and second set of converters that connect server and terminals to communication circuit and convert data transferred between terminals and server into appropriate formats

Patent Assignee: HITACHI LTD (HITA )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8280002	A	19961022	JP 9582268	A	19950407	199701 B

Priority Applications (No Type Date): JP 9582268 A 19950407

Patent Details:

Patent No	Kind	Lan.Pg	Main IPC	Filing Notes
JP 8280002	A		16 H04N-007/173	

Abstract (Basic): JP 8280002 A

The system includes several terminals (500-503) are connected to a server (1) through two sets of converters (400-403, 430-433). The first set of converters convert the command block of first format into a data packet of second format and send it to a communication circuit. The second set of converters decompresses the data packet from the communication circuit back to the first format command block and supply it to the server.

The server accesses the video data from the memory based the command block and send it to the second set of converters as first format data packet. The second set of converters convert it to second format data packet sent to communication circuit. The first set of converters receive and convert it to first format data packet supplied to the terminals. A terminal display is provided to display the video data.

ADVANTAGE - Reduces initial and implementation cost of system since existing application and control software can be used without special changes. Improves data transmission reliability by ensuring image fineness and eliminating interruption.